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Commonwealth of Kentucky
Division for Air Quality

EXECUTIVE SUMMARY

FINAL
Title V, Operating Permit V-05-018
Kentucky Utilities Co. – Tyrone Generating Station
6800 Tyrone Pike US 62, Versailles, KY 40383
June 30, 2007
Permit Writer Massoud Kayvanjah

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SOURCE ID:	21-239-00001
SOURCE A.I. #:	4244
ACTIVITY ID:	APE20040001

SOURCE DESCRIPTION:

A Title V permit renewal application for the Kentucky Utilities Company/Tyrone Generating Station (KU) was received on June 1, 2004, and supplemental documents with revised emissions calculations, including nitrogen oxides (NO_x) Budget Permit application were received on November 10, 2004 and on September 20, 2005 respectively. This Title V permit will include a renewal of the Phase II Acid Rain Permit and the NO_x Budget Permit. The facility produces electricity from three generators activated by turbines powered by steam generated from four diesel fuel boilers rated at 464 MMBtu/hr each (Emission Units 01–04) installed in 1947 and 1948, and a coal fired boiler rated at 976 MMBtu/hr (Emission Unit 05) installed 1953. Emission Units 01-04 have no emissions control devices. Emission Unit 05 is equipped with an electrostatic precipitator to control particulates emissions, and later in November 2000 a Low NOx Burner system was installed to reduce NOx emissions. The facility also operates a 7 MMBtu/hr Fuel Oil-Fired Boiler (Emission Unit 07) installed in 1963.

Coal handling for Boiler Unit 05 is operated through Emission Unit 06 that includes the receiving hopper; the primary crusher; (3) conveyor transfer points; and a stockpile. These emission points were constructed prior to 1947 and were in operation after 1947.

U.S. EPA REVIEW:

The Division has issued the proposed permit on May 15, 2007. The U.S. EPA was notified of the issuance of the proposed permit on May 15, 2007 via e-mail. The comment period expired 45 days from the date of e-mail. No comments were received during this period. The permit is now being issued final.